UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,757	06/23/2003	Byeong Koo Kim	8733.842.00	5730

30827 7590 06/01/2005

MCKENNA LONG & ALDRIDGE LLP
1900 K STREET, NW
WASHINGTON, DC 20006

EXAMINER	
VU, PHU	

ART UNIT	PAPER NUMBER
2871	

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/600,757	KIM ET AL.	
	Examiner	Art Unit	
	Phu Vu	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *3/7/2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-34* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-7,11,13,15-24 and 28-34* is/are rejected.

7)☒ Claim(s) *8-10,12,14,25-27* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

Claims 11-12 and 28-29 have been amended to overcome the previous objections due to minor informalities, therefore the objection of claims 11-12 and 28-29 due to minor informalities is withdrawn.

Applicant's arguments filed 3/7/2005 have been fully considered but they are not persuasive.

Regarding claims 1 and 18, applicant argues "Wu does not disclose 'a static electricity prevention circuit having a thin film transistor.' " However examiner cited the Wu's abstract which clearly states "A CCFET is formed as a TFT transistor and typically has a floating gate." The CCFET (referred to as element 50 in the rejection of claims 1 and 18) was cited as a part of the static electricity prevention circuit, and formation as a TFT would indicate that it is a TFT. The newly added limitation of the equi-potential line is disposed at the outer portion from the signal pad part. The reference shows an equipotential line (fig. 9 element 130) disposed at an outer portion from the signal gate pad. The specification nor the claim is indicative of what the outer portion does and does not consist of therefore this is considered to be outside the pixel electrode. Element 130 is connected to the signal gate pads through element 50 therefore the limitation from the gate pads is also met. A new rejection will also be written to reject the amended claims.

Claim Rejections - 35 USC § 102

Claims 1 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Wu et. al US Patent No. 6175394.

Regarding claims 1 and 18, Wu discloses a liquid crystal display for preventing static electricity comprising: a signal pad part for applying a driving signal to be inputted to the signal lines of the picture display part (see figure 9), wherein the signal pad part includes: a plurality of pads connected to respective ones of the signal lines (see figure 9 element 112 and 114), and a static electricity prevention circuit having a TFT (figure 9 element 50) with a floating gate (see abstract) for connecting at least one of the said pads with an equipotential line (see element 130 "shorting ring" or "guarding ring") in the presence of static electricity. The reference does not disclose a plurality of liquid crystal cells but all liquid crystal displays will have a plurality of liquid crystal cells therefore this limitation is inherent to the reference. The reference shows an equipotential line (fig. 9 element 130) disposed at an outer portion from the signal gate pad. The specification nor the claim is indicative of what the outer portion does and does not consist of therefore this is considered to be outside the pixel electrode. Element 130 is connected to the signal gate pads through element 50 therefore the limitation from the gate pads is also met. A new rejection will also be written to reject the amended claims. Regarding claim 18, this claim mirrors claim 1 in method form but adds not steps that would not be anticipated by the device of claim 1 therefore the reference meets all the limitations of claim 18.

Claims 2-7, 11, 13, 15-17, 19-24 and 28-34 stand rejected under 35 U.S.C. 102(e) as the new rejection applied relies on the same embodiment of the same prior art.

Allowable Subject Matter

Claims 8-10, 12, 14, 25-27, and 29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Reasons for allowance has been indicated in the previous office action and remain unchanged.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu Vu whose telephone number is (571)-272-1562. The examiner can normally be reached on 8AM-5PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571)-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phu Vu
Examiner
AU 2871

TARIFUR R. CHOWDHURY
PRIMARY EXAMINER